

Amendments To the Claims:

1-33. (canceled)

34. (currently amended) A material transport monitoring system for use in and about a facility, for monitoring the movement of material by a transport mechanism, comprising:

a first at least one data processing device;

at least one detection device for providing information determinative of detecting planar position coordinates of thea mobile transport mechanism, wherein the detection device is mountable eonnected to the transport mechanism, wherein the detection device has means for sending and receiving signals;

a second data processing device positionable on or within the transport mechanism;

a plurality of response units positioned at fixed locations about the facility and cooperatively coupled with the detection device to provide the information determinative of coordinates;

one or more wireless links for effecting data transfer from the detection device to the first data processing device and for effecting communication between the first and second data processing devices, wherein upon and stationary response units for receiving signals from the detection device the response units provide and for sending back signals to the detection device, by means of which position coordinates of the transport mechanism are determinable and by at least one reference coordinates system the detection device determines the position coordinates and the position angle, wherein

the data processing device and/or the detection device comprise mechanisms for verifying a storage locations of for material can be determined.

35. (currently amended) The material transport monitoring system according to claim 34, configured to determine wherein the detection device determines the current speed of the transport mechanism.

36. (currently amended) The material transport monitoring system according to claim 34, wherein the data processing device and/or the detection device is capable of ~~has a module for~~ calibrating the position coordinates of the transport mechanism to a material-relevant point.

37. (currently amended) The material transport monitoring system according to claim 34, wherein the data processing device ~~has a module for supplementing the~~ configured to provide position coordinates with at least one area identifier.

38. (currently amended) The material transport monitoring system according to claim 34, wherein the data processing device ~~has a module for determining~~ configured to determine a type of storage of the material from the position angle.

39. (currently amended) The material transport monitoring system according to claim 34, wherein the detection device is configured as a radar device.

40. (currently amended) The material transport monitoring system according to claim 34, wherein the detection device provides current position information to the first ~~is linked to a data processing device for determination of current speed and position angle of~~ ~~connected to the~~ transport mechanism.

41. (currently amended) The material transport monitoring system according to claim 34, configured to define material pick-up points with respect to a material-relevant point on the transport mechanism. ~~wherein the detection device and/or a data processing device connected to the transport means and a stationary data processing device are connected for transmitting data.~~

42. (currently amended) The material transport monitoring system according to claim 41 ~~34~~ configured to: define material relevant points for different types of transport mechanisms including stacker trucks; define elevation coordinates in conjunction with the planar position coordinates; and determine a position angle of the transport mechanism relative to a storage location. ~~; further comprising a stationary data processing device for controlling the transport of materials.~~

43. (currently amended) The material transport monitoring system according to claim 42 configured to verify and provide ~~; wherein the stationary data processing device is adapted for verifying and providing a storage inventory information according to with~~ discrete storage locations.

44. (currently amended) The material transport monitoring system according to claim 34, wherein the data processing device connected to the transport mechanism is connected to a device for the visual display of transport instructions, position, and/or material information.